

DOCUMENT RESUME

ED 423 012

JC 980 409

AUTHOR Attinasi, Louis C., Jr.; Reece, Dee A.
 TITLE Pima Community College 1997-98 Graduates Report.
 INSTITUTION Pima Community Coll., Tucson, AZ. Office of Research and Planning.
 PUB DATE 1998-10-00
 NOTE 111p.
 PUB TYPE Numerical/Quantitative Data (110) -- Reports - Research (143)
 EDRS PRICE MF01/PC05 Plus Postage.
 DESCRIPTORS *Academic Achievement; *College Graduates; Community Colleges; *Degrees (Academic); Educational Attainment; Ethnic Distribution; Minority Groups; *Statistical Data; *Student Characteristics; *Two Year College Students; Two Year Colleges
 IDENTIFIERS *Pima Community College AZ

ABSTRACT

In 1997-98, 1,421 students graduated from Pima Community College (PCC) in Arizona. Sixty percent of the graduates were female and 33% minority. More specifically, the graduate population was 24% Hispanic, 4% African American, 3% Asian American, and 2% Native American. There were 9% fewer total graduates in 1997-98 than in 1996-97, and compared with 1996-97, Hispanics represented 3% more of the graduates, Anglos 3% less. Awards received by 1997-98 PCC graduates totaled 1,566, with an average of 1.1 awards per graduate. A majority (66%) of the awards were degrees. Technical and advanced certificates together accounted for 12%, and basic certificates accounted for 22%. Compared with 1996-97, degrees and technical certificates represented slightly larger percentages of awards, while basic and advanced certificates earned were slightly fewer. The Associate of Applied Science was the most frequently awarded degree, representing slightly more than half of all degrees granted. Another one-third of awarded degrees was the Associate of General Studies degree. Appended are additional statistics for degrees and certificates awarded by degree program, ethnicity, and gender. (AS)

 * Reproductions supplied by EDRS are the best that can be made *
 * from the original document. *

Pima Community College

1997-98 Graduates Report

Louis C. Attinasi, Jr.
Dee A. Reece

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

☒ This document has been reproduced as
received from the person or organization
originating it.

☐ Minor changes have been made to
improve reproduction quality.

- Points of view or opinions stated in this
document do not necessarily represent
official OERI position or policy.



PERMISSION TO REPRODUCE AND
DISSEMINATE THIS MATERIAL HAS
BEEN GRANTED BY

L. Attinasi

TO THE EDUCATIONAL RESOURCES
INFORMATION CENTER (ERIC)

1

Office of Institutional Research
Pima Community College
October, 1998

JL 980409

Table of Contents

<u>Section</u>	<u>Page</u>
Executive Summary	iii
1997-98 PCC Graduates	1
Total Number of Graduates and Distribution by Gender and Ethnicity	1
1997-98 PCC Awards (Degrees and Certificates)	2
Total Number of Awards and Distribution by Type	2
Distribution of Degrees by Type	5
Distribution of Award Types by Ethnicity and by Gender	6
Ethnic Differences in Award Pattern	6
Gender Differences in Award Pattern	8
Trends in the Awarding of PCC Degrees and Certificates:	
1987-88 to 1997-98	10
Ten-year Comparison of Degrees and Certificates	10
Nine-year Trends by Ethnicity	11
Nine-year Trends by Gender	14
1997-98 PCC Awards by Program	15
Distribution of Degrees by Program by Ethnicity and Gender	15
Distribution of Technical and Advanced Certificates by Program by Ethnicity and Gender	17
Distribution of Basic Certificates by Program by Ethnicity and Gender	18
Percentage of Programs with No Graduates	19
1997-98 PCC Center for Training and Development Completers and Awards (Certificates of Completion)	19
Total Number of Completers and Distribution by Ethnicity and Gender	19
Total Number of Awards and Distribution by Ethnicity and Gender	21
Distribution of Awards by Program Cluster by Ethnicity and Gender	23
Ethnic Differences in Award Pattern	23
Gender Differences in Award Pattern	24
Distribution of Awards by Job Goals by Ethnicity and Gender	25
Percentage of Job Goals with No Completers	27

Table of Contents (Continued)

Appendices

Appendix A. Number and Percent of 1996-97 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender	29
Appendix B. Number and Percent of 1996-97 PCC Technical and Advanced Certificates Awarded by Program, Ethnicity, and Gender	49
Appendix C. Number and Percent of 1996-97 PCC Basic Certificates Awarded by Program, Ethnicity, and Gender	57
Appendix D. Number and Percent of 1996-97 PCC Center for Training and Development Certificates of Completion Awarded by Job Goal, Ethnicity, and Gender	65

Pima Community College 1997-98 Graduates Report

Executive Summary

Graduates

In 1997-98, 1,421 students graduated from PCC. Sixty percent of the graduates were female and 33% minority. More specifically, 24% were Hispanic, 4% African-American, 3% Asian-American, and 2% Native American. There were 9% fewer total graduates in 1997-98 than in 1996-97. Compared to 1996-97, Hispanics represented 3% more of the graduates, Anglos 3% less.

Awards

The 1997-98 PCC graduates earned a total of 1,566 awards, an average of 1.1 awards per graduate. There were 12% fewer total awards in 1997-98 than in 1996-97. A majority (66%) of the 1997-98 awards were degrees. Technical certificates (TC) and advanced certificates (AC) together accounted for 12%, and basic certificates (BC) for 22% of all awards. Compared to 1996-97, degrees (+4%) and TCs (+1%) represented slightly larger percentages of all awards; BCs (-3%) and ACs (-2%) slightly smaller percentages. The Associate of Applied Science (AAS) was the most frequently awarded degree, with AAS degrees representing slightly more than half of all degrees granted. Another one-third of the degrees were Associate of General Studies (AGS) degrees.

Minority students earned 33% of all awards granted in 1997-98, 34% of degrees, 29% of TCs, 37% of ACs, and 29% of BCs. Women earned 61% of all awards, 68% of degrees, 31% of TCs, 71% of ACs, and 40% of BCs. Within each degree type, women earned a greater percentage of the degrees than did men. Minority students had a substantially higher share of TCs (+17%) in 1997-98 than in 1996-97, women substantially lower shares of TCs (-10%) and degrees (-6%).

In 1997-98, as in 1996-97, minority graduates were somewhat more likely than graduates in the Anglo/Other category to have earned a degree (68% vs. 65% of all awards earned) or a TC or AC (13% vs. 12%) but less likely to have earned a BC (19% vs. 23%). Also, as in 1996-97, women were more likely than men to have earned a degree (74% vs. 54%), but considerably less likely to have earned a BC (14% vs. 33%). Whereas in 1996-97 women were more likely than men to

have earned a TC or AC, in 1997-98 they were slightly less to have done so (12% vs. 13%).

Trends

A ten-year comparison of awards indicates changes in the numbers and relative distribution of the three award types. Between 1988-89 (955) and 1991-92 (1,162) there were consistent annual increases in the number of degrees awarded. These were followed by consistent annual decreases (except in 1996-97) through 1997-98 (1,035). Similarly, consistent annual increases in the number of BCs between 1988-89 (421) and 1992-93 (590) were followed by consistent annual decreases between 1992-93 and 1997-98 (340). The number of TCs and ACs awarded annually generally increased between 1988-89 (132) and 1994-95 (288) but decreased annually thereafter (1997-98: 191).

Since 1989-90 the numbers and proportions of degrees, certificates, and total awards earned by all minority graduates have generally increased annually, although there were substantial drops (27% and 21%, respectively) between 1995-96 and 1996-97 and between 1996-97 and 1997-98 in the number of basic certificates these students earned. Between 1989-90 and 1997-98, women substantially increased the number of degrees they earned and their share of degrees and total awards. On the other hand, they experienced large declines in the number and proportion of BCs they earned.

Programs

In 1996-97, among specific programs, the largest percentages of total degrees were awarded in general studies/AGS (33%), associate degree nursing/AAS (13%), liberal arts and sciences/AA (4%), legal assistant/AAS (4%), and social services/AAS (2%). The largest percentages of TCs and ACs were awarded in practical nursing/AC (13%), dental assisting education/AC (13%), and pharmacy technology/TC (7%). BCs were most frequently awarded in emergency medical technology (51%), law enforcement (17%), and microcomputer repair (4%). In 1997-98 98 (49%) of the 202 active PCC programs had no graduates.

Center for Training and Development

There were 706 Center for Training and Development (CTD) completers in 1997-98. Seventy-nine percent of these were females and 59% minority. More

specifically, 46% were Hispanic, 7% Native American, 5% African American, and 1% Asian American. The 1997-98 CTD completers earned a total of 803 certificates, an average of 1.1 certificates per completer. Sixty-three percent of the certificates were in the Health Occupation Program Cluster (HO), 22% in the Business and Office Program Cluster (BO), and 5% in the Food Service Program Cluster (FS), 4% in the Employment Success Skills Program Cluster (ESS), 3% in the Workplace Basic Skills Program Cluster (WBS), 2% in the Printing Program Cluster (PR), and 1% in the Child Care Program Cluster (CC).

Minority completers earned 59% of all 1997-98 CTD certificates, 100% of WBS certificates, 88% of FS certificates, 72% of ESS certificates, 71% of BO certificates, 50% of HO certificates, 40% of PR certificates, and 30% of CC certificates. The corresponding figures for female completers are: 14%, 64%, 78%, 90%, 78%, 0%, and 80%, respectively. Minority (53%), non-minority (76%), female (64%), and male (58%) completers all were considerably more likely to earn an HO certificate than a certificate in an other program cluster. The second most frequently earned certificate for minority (26%), non-minority (15%), and female (35%) completers was the BO certificate; for male completers (12%) the WBS certificate.

Pima Community College 1997-98 Graduates Report

This report profiles Pima Community College's (PCC) Summer 1997, Fall 1997 and Spring 1998 graduates and their awards. It includes information on the graduates' gender and ethnicity. It also reports the number and percentage of associate degrees and certificates (basic [BC], technical [TC], and advanced [AC]) awarded to the graduates categorized by type of degree or certificate, instructional program, ethnicity, and gender. In addition, the report identifies trends over the last 10 years in the awarding of degrees and certificates at PCC. In a separate section, there is a description of 1997-98 Center for Training and Development (CTD) completers and their awards, including analyses by ethnicity, gender, program cluster, and job goal.

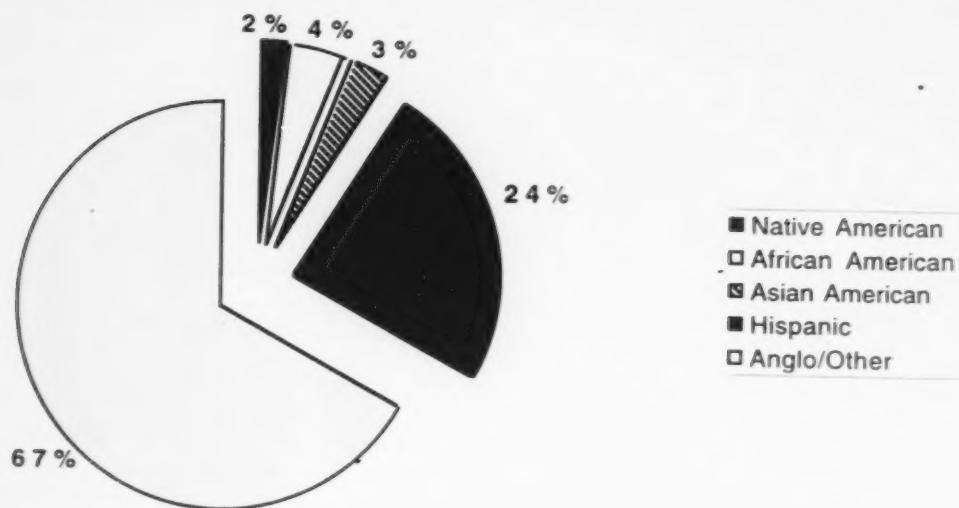
1997-98 PCC Graduates

Total Number of Graduates and Distribution by Gender and Ethnicity. In 1997-98 there were 1,421 graduates. As shown in Table 1, 60% of these were female and 33% minority. More specifically, 24% were Hispanic, 4% African-American, 3% Asian-American, and 2% Native American (see Graph 1). Compared to 1996-97, there were 9% fewer total graduates, 2% more female graduates, and 3% more minority graduates.

Table 1. Distribution of 1997-98 PCC Graduates by Gender by Ethnicity

Ethnicity	Gender					
	Male		Female		Total	
	N	%	N	%	N	%
Native American	14	2%	21	3%	35	2%
African American	27	5%	31	4%	58	4%
Asian American	17	3%	29	3%	46	3%
Hispanic	118	21%	217	25%	335	24%
Anglo/Other	389	69%	558	65%	947	67%
Total	565	100%	856	100%	1,421	100%
Minority Total	176	31%	298	35%	474	33%
% of All Graduates	565	40%	856	60%	1,421	100%

Graph 1. Percent Distribution of 1997-98 PCC Graduates by Ethnicity



1997-98 PCC Awards (Degrees and Certificates)

Total Number of Awards and Distribution by Type. Graph 2 and Tables 2-3 show that in 1997-98 degrees constituted over two-thirds (66%) of the 1,566 total awards earned by graduates. BCs accounted for almost one-fourth of all awards, combined TCs and ACs 12%. Compared to 1996-97, total awards (-12%), degrees (-6%), BCs (-24%) and ACs (-27%) were down, TCs (+41%) were up.

Graph 2. Percent Distribution of 1997-98 PCC Awards by Award Type

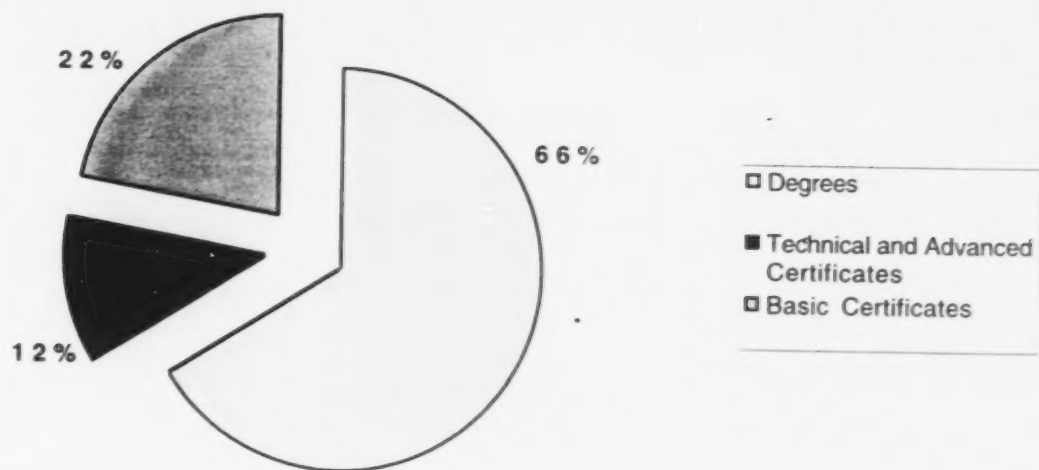


Table 2. Distribution of 1997-98 PCC Awards by Award Type by Ethnicity

Degree/ Cert. Awarded	Ethnicity										Total			Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		N	% of Sub Total	% of Grand Total		
	N	%	N	%	N	%	N	%	N	%					
Assoc. of Arts	1	1%	2	2%	3	3%	27	31%	55	63%	88	8%	6%	33	37%
Assoc. of Science	1	3%	2	5%	1	3%	8	21%	26	68%	38	4%	2%	12	32%
Assoc. of Applied Science	16	3%	21	4%	21	4%	122	22%	370	67%	550	53%	35%	180	33%
Assoc. of Applied Arts	0	0%	0	0%	0	0%	5	26%	14	74%	19	2%	1%	5	26%
Assoc. of General Studies	7	2%	10	3%	26	8%	78	23%	219	64%	340	33%	22%	121	36%
Total Degrees	25	3%	35	3%	51	5%	240	23%	684	66%	1,035	100%	66%	351	34%

Technical Cert.	1	2%	4	8%	2	4%	8	15%	37	71%	52	27%	3%	15	29%
Advanced Cert.	4	3%	5	4%	5	4%	37	26%	88	93%	139	73%	9%	51	37%
Total Tech./ Adv. Cert.	5	3%	9	5%	7	4%	45	23%	125	65%	191	100%	12%	66	35%

Total Basic Cert.	7	2%	6	2%	3	1%	82	24%	242	71%	340	100%	22%	98	29%
----------------------------------	---	----	---	----	---	----	----	-----	-----	-----	-----	------	-----	----	-----

Total Degrees & Cert.	37	2%	50	3%	61	4%	367	24%	1,051	67%	1,566		100%	515	33%
--	----	----	----	----	----	----	-----	-----	-------	-----	-------	--	------	-----	-----

BEST COPY AVAILABLE

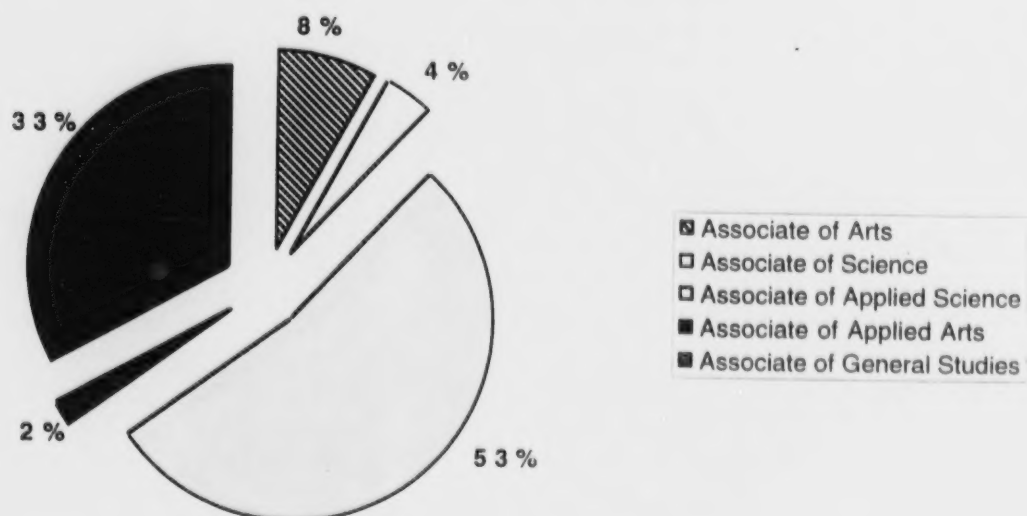
Table 3. Distribution of 1997-98 PCC Awards by Award Type by Gender

Degree/ Cert. Awarded	Gender				Total		
	Men		Women		N	% of Sub Total	% of Grand Total
	N	%	N	%			
Associate of Arts	28	32%	60	68%	88	8%	6%
Associate of Science	16	42%	22	58%	38	4%	2%
Associate of Applied Science	170	31%	380	69%	550	53%	35%
Associate of Applied Arts	2	11%	17	89%	19	2%	1%
Associate of General Studies	118	35%	222	65%	340	33%	22%
Total Degrees	334	32%	701	68%	1,035	100%	66%
Technical Certificates	36	69%	16	31%	52	27%	3%
Advanced Certificates	41	29%	98	71%	139	73%	9%
Total Technical/ Advanced Cert.	77	40%	114	60%	191	100%	12%
Total Basic Certificates	205	60%	135	40%	340	100%	22%
Total Degrees & Certificates	616	39%	950	61%	1,566		100%

Distribution of Degrees by Type. Graph 3 and Tables 2-3 show that in 1997-98 the most often awarded PCC degree was the Associate of Applied Science (AAS) degree; it accounted for slightly more than one-half of all degrees awarded. Additionally, one-third of the degrees were Associate of General Studies (AGS) degrees, 8% Associate of Arts (AA) degrees, 4% Associate of Science (AS) degrees, and 2% Associate of Applied Arts (AAA) degrees.

Compared to 1996-97, the numbers of AAS (+1%), AAA (+46%), and AA (+49%) degrees increased, while the number of AS (-17%) and AGS (-21%) degrees decreased.

Graph 3. Percent Distribution of 1997-98 PCC Degrees awarded by Degree Type



Distribution of Award Types by Ethnicity and by Gender. Minority students received 33% (515) of the total degrees and certificates awarded in 1997-98 (Graph 4 and Table 2). They earned 34% of the degrees, 29% of the TCs, 37% of the ACs, and 29% of the BCs. In addition, they earned from 26% (AAA) to 37% (AA) of each degree type. Compared to 1996-97, minority students earned larger percentages of degrees (+2%), ACs (+6%), and percentage of BCs (+1%), but a smaller percentage of TCs (-17%). They earned 2% more total awards.

As shown Table 3, in 1997-98 women earned more awards (61%) than did men. Women received the majority (68%) of the degrees and the majority (58% to 89%) of each degree type. Although more than half of the TCs were earned by men, 71% of the ACs were earned by women. Men earned a majority (60%) of the BCs. Compared to 1996-97, women earned a larger proportion of degrees (+6%), but smaller proportions of TCs (-10%), ACs (-4%), and BCs (-3%).

Ethnic Differences in Award Pattern. Table 4 shows that minority

students were most likely to receive an AAS degree (35% of awards) or an AGS (24%) and least likely to receive an AAA degree (1%). The award most often granted to individuals in the Anglo/Other category was the AAS (35%), followed by the BC (23%), and then the AGS (21%).

The pattern described above for all minorities also holds separately for Native Americans, Asian Americans and Hispanics: For each of these groups, the AAS is the single award most often earned (43%, 42% and 33%, respectively) and the AAA the least often earned. For African Americans the AGS (43%) represents the most frequently earned award.

Graph 4. Percent Distribution of All 1997-98 PCC Awards by Ethnicity

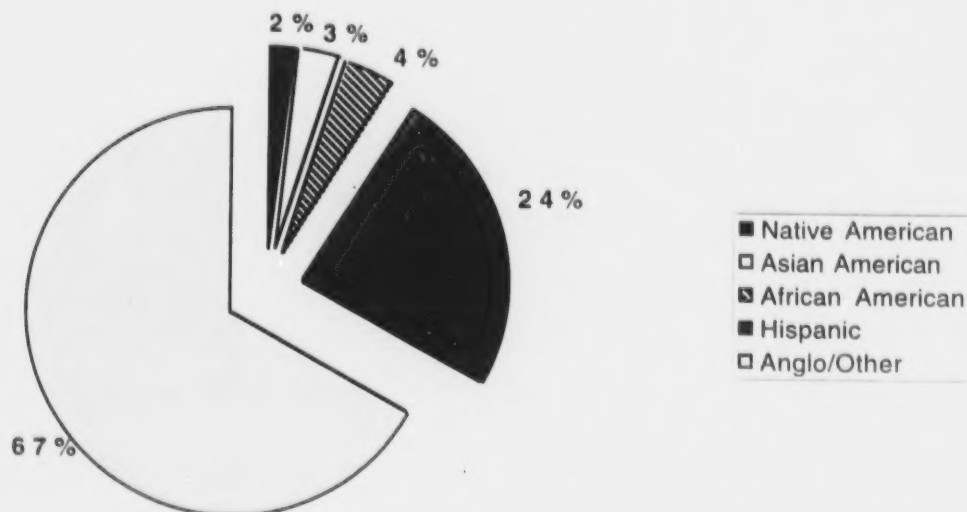


Table 4. Distribution of 1997-98 PCC Awards by Ethnicity by Award Type

Degree/ Cert. Awarded	Ethnicity												Total		
	Native American			Asian American			African American			Hispanic			Anglo/Other		
	% %			% %			% %			% %			% %		
	N	Sub.	All	N	Sub.	All	N	Sub.	All	N	Sub.	All	N	Sub.	All
AA	1	4%	3%	2	6%	4%	3	6%	5%	27	11%	7%	55	8%	5%
AS	1	4%	3%	2	6%	4%	1	2%	2%	8	3%	2%	26	4%	3%
AAS	16	64%	43%	21	60%	42%	21	41%	34%	122	51%	33%	370	54%	35%
AAA	0	0%	0%	0	0%	0%	0	0%	0%	5	2%	2%	14	2%	1%
AGS	7	28%	19%	10	28%	20%	26	51%	43%	78	33%	21%	219	32%	21%
Total Degrees	25	100%	68%	35	100%	70%	51	100%	84%	240	100%	65%	684	100%	65%

Technical Cert.	1	20%	2%	4	44%	8%	2	29%	3%	8	18%	2%	37	30%	4%
Advanced Cert.	4	80%	11%	5	56%	10%	5	71%	8%	37	82%	10%	88	70%	8%
Total Tech./ Adv. Cert.	5	100%	13%	9	100%	18%	7	100%	11%	45	100%	12%	125	100%	12%

Total Basic Cert.	7	100%	19%	6	100%	12%	3	100%	5%	82	100%	23%	242	100%	23%
--------------------------	---	------	-----	---	------	-----	---	------	----	----	------	-----	-----	------	-----

Total Degrees & Cert.	37	100%	100%	50	100%	100%	61	100%	100%	367	100%	100%	1051	100%	100%
----------------------------------	----	------	------	----	------	------	----	------	------	-----	------	------	------	------	------

Gender Differences in Award Pattern. As shown in Table 5, in 1997-98 women were most likely to receive an AAS (40% of awards), next most likely an AGS (24%), and third most likely a BC (14%). Men were most likely to earn a BC (33%), an AAS (28%), or an AGS (19%), in that order. These patterns are unchanged from 1996-97.

Table 5. Distribution of 1997-98 PCC Awards by Gender by Award Type

Degree/ Cert. Awarded	Gender					
	Men			Women		
	N	% of Subcategory	% of All Awards	N	% of Subcategory	% of All Awards
Associate of Arts	28	8%	4%	60	9%	6%
Associate of Science	16	5%	3%	22	3%	2%
Associate of Applied Science	170	51%	28%	380	54%	40%
Associate of Applied Arts	2	1%	<1%	17	2%	2%
Associate of General Studies	118	35%	19%	222	32%	24%
Total Degrees	334	100%	54%	701	100%	74%

Technical Certificates	36	47%	6%	16	14%	2%
Advanced Certificates	41	53%	7%	98	86%	10%
Total Technical/Advanced Cert.	77	100%	13%	114	100%	12%

Total Basic Certificates	205	100%	33%	135	100%	14%
---------------------------------	------------	-------------	------------	------------	-------------	------------

Total Degrees & Certificates	616	100%	100%	950	100%	100%
---	------------	-------------	-------------	------------	-------------	-------------

Trends in the Awarding of PCC Degrees and Certificates: 1988-89 to 1997-98

Ten-year Comparison of Degrees and Certificates. Graph 5 and Table 6 show the number of degrees and certificates awarded annually between 1988-89 and 1997-98. Between 1988-89 and 1991-92 (1992-93 for BCs), there were steady increases in the number of degrees, TCs and ACs, BCs, and total awards granted annually. Beginning with 1992-93 (1993-94 for BCs), the trend reversed for degrees, BCs, and total awards--there were consistent annual decreases (except in 1996-97) in the numbers of each of these award types between 1992-93 and 1997-98. During this period, degrees dropped by 7%, BCs by 42%, and total awards by 20%.

The number of TCs and ACs declined continuously between 1994-95 and 1997-98, dropping by 34% between those years.

As a proportion of all awards, degrees increased annually between 1994-95 and 1997-98, while TCs and ACs decreased annually during the same period. BCs have been declining as a proportion of all awards since 1993-94.

Graph 5. Number of Degrees and Certificates Awarded by PCC from 1988-89 to 1997-98

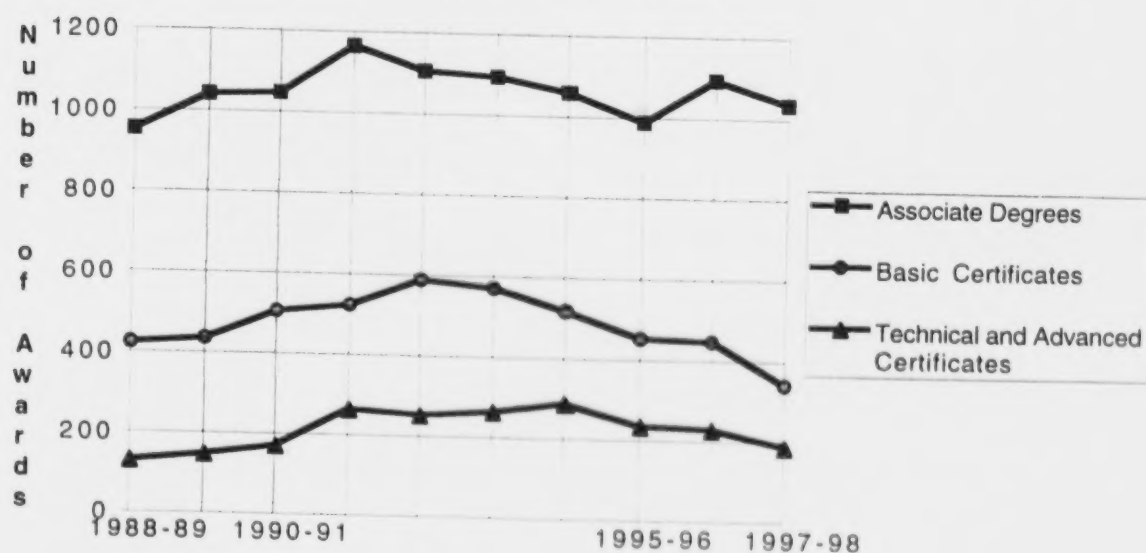


Table 6. Number and Percent of PCC Degrees and Certificates Awarded by Year by Award Type (1988-89 - 1997-98)

Year	Associate Degrees		Technical and Advanced Certificates		Basic Certificates		Total Number of Awards	Number of Graduates* (Undupl.)
	N	of Total Awards	N	% of Total Awards	N	% of Total Awards		
1988-89	955	63%	132	9%	421	28%	1,508	974
1989-90	1,044	64%	148	9%	435	27%	1,627	1,062
1990-91	1,050	61%	170	10%	507	29%	1,727	1,108
1991-92	1,162	59%	265	14%	524	27%	1,951	1,245
1992-93	1,107	57%	253	13%	590	30%	1,950	1,164
1993-94	1,094	57%	264	14%	570	29%	1,928	1,191
1994-95	1,060	57%	288	15%	517	28%	1,865	1,631
1995-96	987	59%	234	14%	453	27%	1,674	1,476
1996-97	1,096	62%	227	13%	448	25%	1,771	1,567
1997-98	1,035	66%	191	12%	340	22%	1,566	1,421

* Graduates are persons awarded degrees and/or advanced/technical certificates

Nine-Year Trends by Ethnicity. Tables 7-10 display nine-year trends in the awarding of degrees and certificates by ethnicity. As shown in Table 7, between 1989-90 and 1997-98 minority graduates annually earned between one-quarter and one-third of all awards. Throughout most of the period they experienced increases in both the number and percentage of awards they earned. Minority students earned 25% more awards in 1997-98 than in 1989-90 and they had a 8% greater share of all awards in 1997-98 than in 1989-90. These increases primarily reflect increases between the two years in the number (+31%) and proportion (+7%) of awards earned by Hispanics. Although Native Americans (+23%), Asian Americans (+14%), and African Americans (+7%) all earned more awards in 1997-98 than in 1989-90, their respective shares of all awards were essentially the same in both years.

The above pattern also holds for degrees and TCs and ACs. Compared to 1989-90, in 1997-98 minority graduates earned 34% more degrees and had a 9% greater share of all degrees, and they earned 65% more TCs and ACs and had a 8% greater share of all TCs and Acs. Again, these increases for all minority graduates primarily reflect increases in the various award types that were experienced by Hispanics.

The pattern is different for BCs. Compared to 1989-90, in 1997-98 minority students earned 11 fewer BCs, although their share of BCs increased from 25% to 29%. While Hispanics earned ten more BCs (and increased their share of BCs by 7%), the other minority groups combined earned 21 fewer BCs during the period.

Graduates in the Anglo/Other category experienced annual increases in the numbers of total awards, degrees, and BCs they earned during the early years of the decade (through 1992-93), followed by annual decreases (except between 1995-96 and 1996-97) through 1997-98. An 18% decline between 1996-97 and 1997-98 in the number of TCs and ACs earned by these graduates continued a three-year trend. Compared to 1989-90, in 1997-98 graduates in the Anglo/Other category earned 26% fewer BCs, 14% fewer total awards, 13% fewer degrees, but 16% more TCs and ACs.

Table 7. Number and Percent of Total PCC Awards by Year by Ethnicity (1989-90 - 1997-98)

	Ethnicity										Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			
	N	%	N	%	N	%	N	%	N	%		
1989-90	30	2%	44	3%	57	3%	280	17%	1,216	75%	411	25%
1990-91	37	2%	44	3%	73	4%	298	17%	1,275	74%	452	26%
1991-92	49	3%	45	2%	87	4%	354	18%	1,416	73%	535	27%
1992-93	39	2%	42	2%	55	3%	342	18%	1,472	75%	478	25%
1993-94	30	1%	50	3%	62	3%	381	20%	1,405	73%	523	27%
1994-95	43	2%	50	3%	58	3%	388	21%	1,326	71%	539	29%
1995-96	41	2%	58	4%	63	4%	367	22%	1,145	68%	529	32%
1996-97	32	2%	73	4%	60	3%	388	22%	1,218	69%	553	31%
1997-98	37	2%	50	3%	61	4%	367	24%	1,051	67%	515	33%

Table 8. Number and Percent of PCC Associate Degrees Awarded by Year by Ethnicity (1989-90 - 1997-98)

	Ethnicity										Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			
	N	%	N	%	N	%	N	%	N	%		
	N	%	N	%	N	%	N	%	N	%		
1989-90	15	1%	29	3%	40	4%	178	17%	782	75%	262	25%
1990-91	19	2%	24	2%	49	5%	169	16%	789	75%	261	25%
1991-92	32	3%	31	3%	63	5%	203	17%	833	72%	329	28%
1992-93	21	2%	21	2%	32	3%	198	18%	835	75%	272	25%
1993-94	14	1%	23	2%	40	4%	215	20%	802	73%	292	27%
1994-95	20	2%	26	2%	39	4%	206	19%	769	73%	291	27%
1995-96	23	2%	41	4%	37	4%	196	20%	690	70%	297	30%
1996-97	17	2%	46	4%	45	4%	246	22%	742	68%	354	32%
1997-98	25	3%	35	3%	51	5%	240	23%	684	66%	351	34%

Table 9. Number and Percent of PCC Technical and Advanced Certificates Awarded by Year by Ethnicity (1989-90 - 1997-98)

	Ethnicity										Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			
	N	%	N	%	N	%	N	%	N	%		
	N	%	N	%	N	%	N	%	N	%		
1989-90	4	3%	1	1%	5	3%	30	20%	108	73%	40	27%
1990-91	4	2%	2	1%	6	4%	35	21%	123	72%	47	28%
1991-92	4	1%	7	3%	7	3%	49	18%	198	75%	67	25%
1992-93	6	3%	8	3%	8	3%	33	13%	198	78%	55	22%
1993-94	6	2%	8	3%	8	3%	47	18%	195	74%	69	26%
1994-95	4	1%	9	3%	7	2%	62	22%	206	72%	82	28%
1995-96	5	2%	8	4%	12	5%	38	16%	171	73%	63	27%
1996-97	4	2%	11	5%	6	2%	54	24%	152	67%	75	33%
1997-98	5	3%	9	5%	7	4%	45	23%	125	65%	66	35%

BEST COPY AVAILABLE

Table 10. Number and Percent of PCC Basic Certificates Awarded by Year by Ethnicity (1989-90 - 1997-98)

	Ethnicity										Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			
	N	%	N	%	N	%	N	%	N	%		
	N	%	N	%	N	%	N	%	N	%		
1989-90	11	2%	14	3%	12	3%	72	17%	326	75%	109	25%
1990-91	14	3%	18	3%	18	3%	94	19%	363	72%	144	28%
1991-92	13	3%	7	1%	17	3%	102	19%	385	74%	139	26%
1992-93	12	2%	13	2%	15	3%	111	19%	439	74%	151	26%
1993-94	10	2%	19	3%	14	2%	119	21%	408	72%	162	28%
1994-95	19	4%	15	3%	12	2%	120	23%	351	68%	166	32%
1995-96	13	3%	9	2%	14	3%	133	29%	284	63%	169	37%
1996-97	11	2%	16	4%	9	2%	88	20%	324	72%	124	28%
1997-98	7	2%	6	2%	3	1%	82	24%	242	71%	98	29%

Nine-Year Trends by Gender. As shown in Table 11, since 1989-90, women generally have experienced annual increases in the numbers of total awards, degrees, and TCs and ACs they have earned, although there were decreases (8% and 28%, respectively) in total awards and TCs and ACs between 1996-97 and 1997-98. While they experienced through 1993-94 annual increases in the number of BCs earned, they experienced annual decreases thereafter. Compared to 1989-90, in 1997-98 women earned 5% more total awards, 19% more degrees, and 22% more TCs and ACs; they earned 40% fewer BCs.

During the same period, men's award-earning experience was more variable. Men experienced consistent annual increases in total awards through 1992-93 and consistent annual decreases thereafter through 1997-98, except for a small increase between 1995-96 and 1996-97. A series of annual declines in the number of degrees earned by men which began between 1991-92 and 1992-93 was reversed between 1995-96 and 1996-97, but resumed again between 1996-97 and 1997-98. Men experienced consistent annual increases during the first half of the period in the number of TCs and ACs, followed by consistent annual decreases through 1996-97. The number increased again between 1996-97 and 1997-98.

Men also experienced consistent annual increases in the number of BCs during

the early part of the period. Since 1992-93, however, they have experienced alternating annual decreases and increases. There was a 19% decrease in the number of BCs earned by men between 1996-97 and 1997-98. Compared to 1989-90, in 1997-98 men earned 15% fewer total awards, 27% fewer degrees, and 2% fewer BCs, but 40% more TCs and ACs.

Women's shares of degrees (+12%) and total awards (+5%) were greater in 1997-98 than in 1989-90; their shares of TCs and ACs (-3%) and BCs (-12%) were smaller.

Table 11. Number and Percent of PCC Awards and Award Types by Award Type by Year by Gender (1989-90 - 1997-98)

	Degrees		Technical/Advanced Certificates		Basic Certificates		Total Awards	
	Male	Female	Male	Female	Male	Female	Male	Female
	N %	N %	N %	N %	N %	N %	N %	N %
1989-90	457 44%	587 56%	55 37%	93 63%	209 48%	226 52%	721 44%	906 56%
1990-91	431 41%	619 59%	66 39%	104 61%	267 53%	240 47%	764 44%	963 56%
1991-92	518 45%	644 55%	126 48%	139 52%	278 53%	246 47%	922 47%	1,029 53%
1992-93	494 45%	613 55%	122 48%	131 52%	336 57%	254 43%	952 49%	998 51%
1993-94	438 40%	656 60%	129 49%	135 51%	268 47%	302 53%	835 43%	1,093 57%
1994-95	406 38%	654 62%	126 44%	162 56%	274 53%	243 47%	806 43%	1,059 57%
1995-96	368 37%	619 63%	110 47%	124 53%	251 55%	202 45%	729 44%	945 56%
1996-97	418 38%	678 62%	69 30%	158 70%	254 57%	194 43%	741 44%	1,030 56%
1997-98	334 32%	701 68%	77 40%	114 60%	205 60%	135 40%	616 39%	950 61%

1997-98 PCC Awards by Program

Distribution of Degrees by Program by Ethnicity and Gender. In Appendix A (green section), degrees awarded in 1997-98 are categorized by instructional program, ethnicity, and gender. The 5 programs which awarded the largest numbers of degrees in 1997-98 are:

- general studies/AGS (340; or 33% of all degrees awarded),
- associate degree nursing/AAS (139; 13%),
- liberal arts and sciences/AA (44; 4%),
- legal assistant/AAS (43; 4%), and
- social services/AAS (24; 2%).

(With the exception of liberal arts and sciences/AA, all of these programs were among the five largest producers of degrees in 1996-97.) Together, these

programs generated 56% of all degrees awarded in 1997-98.

In 1997-98 there were 5 programs in which minority students earned 10 or more degrees:

- general studies/AGS (121),
- associate degree nursing/AAS (41),
- liberal arts and sciences/AA (19),
- social services/AAS (13) and
- legal assistant/AAS (12).

(With the exception of legal assistant/AAS, each of the foregoing programs also produced 10 or more minority graduates in 1997-98.) For 7 of the 16 degree programs which produced 10 or more total graduates in 1997-98, minority students constituted more than 35% of the graduates:

- social services/AAS (54%),
- telecommunications/AAS (54%),
- dental laboratory technology/AAS (50%),
- business administration/AS (45%),
- liberal arts and sciences/AA (43%),
- accounting/AAS (37%), and
- general studies/AGS (36%).

(Liberal arts and sciences/AA and accounting/AAS fell into this category in 1996-97). Conversely, for 2 of these degree programs, minority students constituted less than 20% of the graduates:

- advertising art/computer graphics: desktop publishing/AAS (10%) and
- business administration/AAS (9%)

(Neither of these programs was in this category in 1996-97.)

In 1997-98 there were 5 degree programs in which women earned 20 or more degrees:

- general studies/AGS (222),
- associate degree nursing/AAS (116),
- legal assistant/AAS (36),
- liberal arts and sciences/AA (29), and
- social services/AAS (21).

(With the exception of liberal arts and sciences/AA all of these programs produced 20 or more women graduates in 1996-97.) For 11 of the 16 degree programs which produced 10 or more total graduates in 1997-98, women constituted more than 65% of the graduates:

- accounting/AAS (100%),
- teacher-director/AAS (100%),
- dental hygiene/AAS (95%),

social services/AAS (88%),
legal assistant/AAS (84%),
associate degree nursing/AAS (83%),
business administration/AS (75%),
advertising art/computer graphics; desktop publishing/AAS (70%),
dental laboratory technology/AAS (70%),
respiratory care/AAS (68%), and
liberal art and science/AA (66%).

(Accounting/AAS, teacher-director/AAS, dental hygiene/AAS, social services/AAS, legal assistant/AAS, and associate degree nursing/AAS also fell into this category in 1996-97.) Conversely, for 1 of these degree programs, women constituted less than 45% of the graduates:

environmental technology/AAS (15%).

(Environmental technology/AAS was in this category in 1996-97 as well).

Distribution of Technical and Advanced Certificates by Program by Ethnicity and Gender. Appendix B (blue section) displays the number and percentage of 1997-98 TC and AC recipients by instructional program, ethnicity, and gender. The five programs that awarded the largest numbers of TCs and ACs in 1997-98 are:

practical nursing/AC (24; or 13% of all TCs and ACs awarded),
dental assisting education/AC (24; 13%),
pharmacy technology/TC (13; 7%),
teacher aide/assistant/AC (11; 6%) and
microcomputer repair/TC (10; 5%).

(Practical nursing/AC, dental assisting education/AC, and pharmacy technology/TC also were among the five largest producers of TC/AC graduates in 1996-97.) Together, these programs generated 44% of all TCs/ACs awarded in 1997-98.

In 1997-98 there was 1 program in which minority students earned 10 or more TCs or ACs:

dental assisting education/AC (11).

(Dental assisting education/AC did not fall into this category in 1996-97). For 3 of the 5 TC/AC programs which produced 10 or more total graduates in 1997-98, minority students constituted more than 35% of the graduates:

dental assisting education/AC (46%),
pharmacy technology/TC (46%), and
teacher aide/assistant/AC (36%).

(All of these programs were in this category in 1996-97). For no TC/AC programs did minority students constitute less than 20% of the graduates.

social services: domestic violence intervention (40%).
(In 1996-97, none of these programs were in this category.) For no programs with 10 or less graduates did minority students account for less than 20% of the graduates. (This also was the case in 1996-97.)

In 1997-98 there were 2 program in which women earned 10 or more BCs:
emergency medical technology (58), and
social services: domestic violence intervention (10).
(Emergency medical technology was also among the programs in which women earned 10 or more BCs in 1996-97). For 3 of the 6 BC programs which produced 10 or more total graduates in 1997-98, women constituted more than 65% of the graduates:

social services: domestic violence intervention (100%),
business (82%), and
social services (73%).

(Social services also was in this category in 1996-97). Conversely, for 3 of these programs women constituted less than 45% of the graduates:

emergency medical technology (34%),
law enforcement (15%), and
microcomputer repair (0%).

(In 1996-97, too, women accounted for less than 45% of the emergency medical technology graduates.)

Percentage of Programs with No Graduates. In 1997-98 49% (98) of the 202 active programs at PCC had no graduates. Fifty-four percent (73) of the active degree programs, 33% (13) of the active TC and AC programs, and 43% (12) of the active BC programs produced no graduates.

1997-98 PCC Center for Training and Development Completers and Awards (Certificates of Completion)

Total Number of Completers and Distribution by Ethnicity and Gender. As shown in Table 12, there were 706 Center for Training and Development (CTD) completers in 1997-98. Seventy-nine percent of these were females and 59% minority. More specifically, 46% were Hispanic, 7% Native American, 5% African American, and 1% Asian American (see Graph 6 and Table 12).

Graph 6. Percent Distribution of 1997-98 Unduplicated PCC CTD Completers by Ethnicity

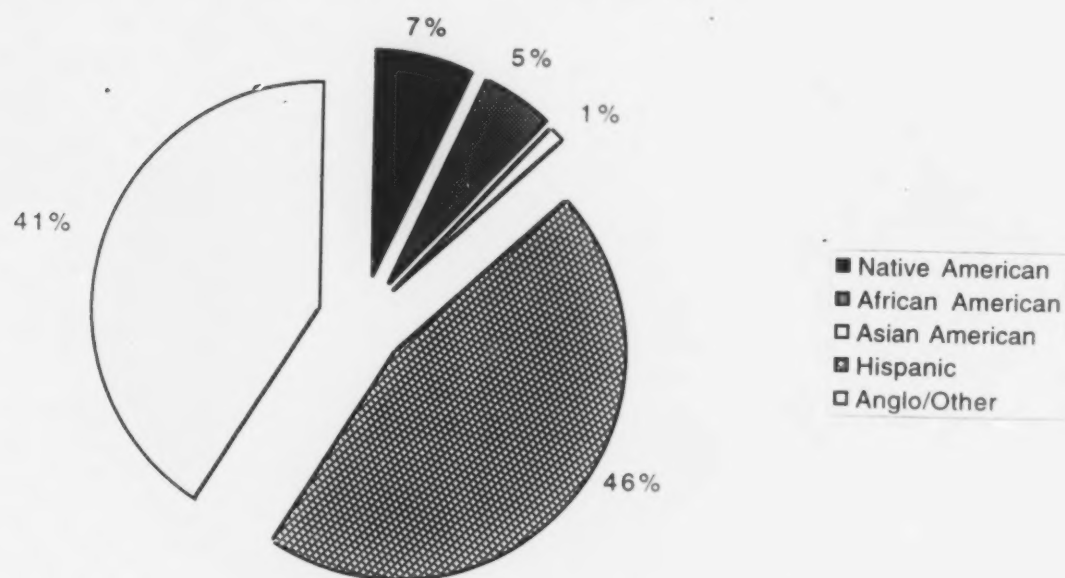


Table 12. Distribution of 1997-98 Unduplicated PCC CTD Completers by Gender by Ethnicity

Ethnicity	Gender					
	Male		Female		Total	
	N	%	N	%	N	%
Native American	9	6%	38	7%	47	7%
African American	9	6%	25	5%	34	5%
Asian American	3	2%	5	1%	8	1%
Hispanic	64	42%	263	47%	327	46%
Anglo/Other	66	44%	224	40%	290	41%
Total	151	100%	555	100%	706	100%
Minority Total	85	56%	331	60%	416	59%
% of All Completers	151	21%	555	79%	706	100%

Total Number of Awards and Distribution by Ethnicity and Gender. The 1997-98 CTD completers earned a total of 803 certificates (see Table 13), an average of 1.1 certificates per completer. Women earned 76% (see Table 14) and minority students 59% (see Graph 7 and Table 13) of these certificates. More specifically, Hispanics earned 46%, Native Americans 7%, African Americans 5%, and Asian Americans 1% of these certificates (see Graph 8 and Table 13).

Graph 7. Percent Distribution of 1997-98 PCC CTD Certificates by Ethnicity

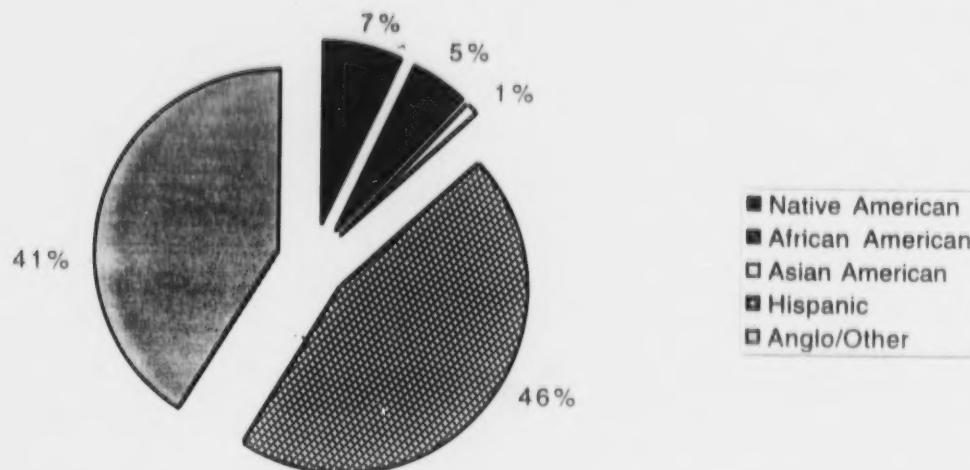


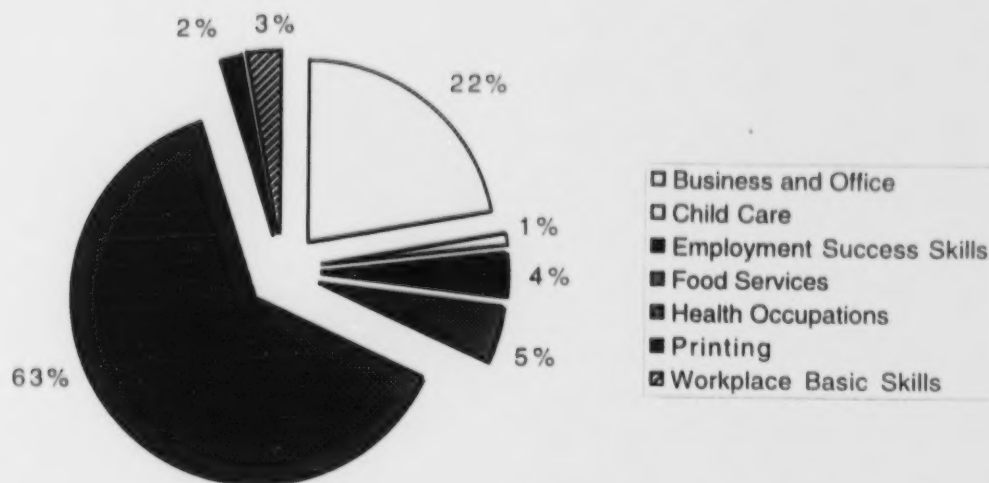
Table 13. Distribution of 1997-98 PCC CTD Certificates by Program Cluster by Ethnicity

Program Cluster	Ethnicity						Total		Minority Total	
	Native American	Asian American	African American	Hispanic	Anglo/ Other		% of			
	N %	N %	N %	N %	N %	N	Total	N	%	
Business and Office	19 11%	0 0%	6 4%	97 56%	51 29%	173	22%	122	71%	
Child Care	0 0%	0 0%	0 0%	3 30%	7 70%	10	1%	3	30%	
Employment Success Skills	1 3%	0 0%	0 0%	22 69%	9 28%	32	4%	23	72%	
Food Services	15 36%	0 0%	0 0%	22 52%	5 12%	42	5%	37	88%	
Health Occupations	20 4%	9 2%	29 6%	193 38%	252 50%	503	63%	251	50%	
Printing	0 0%	0 0%	0 0%	6 40%	9 60%	15	2%	6	40%	
Workplace Basic Skills	0 0%	0 0%	0 0%	28 100%	0 0%	28	3%	28	100%	
Total Certificates	55 7%	9 1%	35 5%	371 46%	333 41%	803	100%	470	59%	

Table 14. Distribution of 1997-98 PCC CTD Certificates by Program Cluster by Gender

Program Cluster	Gender				Total	
	Men		Women			
	N	%	N	%	N	% of Total
Business and Office	18	10%	155	90%	173	22%
Child Care	2	20%	8	80%	10	1%
Employment Success Skills	7	22%	25	78%	32	4%
Food Services	15	36%	27	64%	42	5%
Health Occupations	112	22%	391	78%	503	63%
Printing	15	100%	0	0%	15	2%
Workplace Basic Skills	24	86%	4	14%	28	3%
Total Certificates	193	24%	610	76%	803	100%

Graph 8. Percent Distribution of 1997-98 PCC CTD Certificates by Program Cluster



Distribution of Awards by Program Cluster by Ethnicity and Gender. As displayed in Graph 8 and Table 14, 63% (503) of the certificates were in the health occupations program cluster (HO), 22% (173) in the business and office program cluster (BO), 5% (42) in the food services program cluster (FS), 4% (32) in the employment success skills program cluster (ESS), 3% (28) in the workplace basic skills program cluster (WBS), 2% (15) in the printing program cluster (PR), and 1% (10) in the child care program cluster (CC). Minority completers earned 100% of the WBS certificates, 88% of the FS certificates, 72% of the ESS certificates, 71% of the BO certificates, 50% of the HO certificates, 40% of the PR certificates, and 30% of the CC certificates (see Table 13). The percentages for the FS, BO, HO, and PR certificates were about the same in 1996-97. (WBS, ESS, and CC certificates were not offered in 1996-97.) The corresponding figures for female completers are: 14%, 64%, 78%, 90%, 78%, 0%, and 80%, respectively (see Table 14). In 1997-98 women earned a larger percentage of the FS certificates and a smaller percentage of the PR certificates than they did in 1996-97.

Ethnic Differences in Award Pattern. Table 15 shows that both minority (53%) and non-minority (76%) completers were considerably more likely to earn an HO certificate than a certificate in any other program cluster.

The second most frequently earned certificate for both groups (minority--26%, non-minority--15%) was the BO certificate. The third most frequently earned for minority completers (8%) was the FS certificate, for non-minority completers the PR certificate and the ESS certificate (3% each).

Table 15. Distribution of 1997-98 PCC CTD Certificates by Ethnicity by Program Cluster

Program Cluster	Ethnicity								Total		Minority Total			
	Native American		Asian American		African American		Hispanic		Anglo/ Other					
	N	%	N	%	N	%	N	%	N	%	N	%		
Business and Office	19	35%	0	0%	6	17%	97	26%	51	15%	173	22%	122	26%
Child Care	0	0%	0	0%	0	0%	3	1%	7	2%	10	1%	3	1%
Employment Success Skills	1	2%	0	0%	0	0%	22	6%	9	3%	32	4%	23	5%
Food Services	15	27%	0	0%	0	0%	22	6%	5	1%	42	5%	37	8%
Health Occupations	20	36%	9	100%	29	83%	193	52%	252	76%	503	63%	251	53%
Printing	0	0%	0	0%	0	0%	6	2%	9	3%	15	2%	6	1%
Workplace Basic Skills	0	0%	0	0%	0	0%	28	7%	0	0%	28	3%	28	6%
Total Certificates	55	100%	9	100%	35	100%	371	100%	333	100%	803	100%	470	100%

Gender Differences in Award Pattern. As displayed in Table 16, both female and male completers were considerably more likely to earn an HO certificate (women--64%, men--58%) than a certificate from any other program cluster. The second most frequently earned certificate for female completers was the BO certificate (25%), and the third most frequently the FS certificate (5%). For male completers the WBS certificate (12%) was the second most frequently earned and the BO certificate (9%) the third most frequently earned.

Table 16. Distribution of 1997-98 PCC CTD Certificates by Gender by Program Cluster

Program Cluster	Gender				Total	
	Men		Women		N	% of Total
	N	%	N	%		
Business and Office	18	9%	155	25%	173	22%
Child Care	2	1%	8	1%	10	1%
Employment Success Skills	7	4%	25	4%	32	4%
Food Services	15	8%	27	5%	42	5%
Health Occupations	112	58%	391	64%	503	63%
Printing	15	8%	0	0%	15	2%
Workplace Basic Skills	24	12%	4	1%	28	3%
Total Certificates	193	100%	610	100%	803	100%

Distribution of Awards by Job Goal by Ethnicity and Gender. CTD certificates awarded in 1997-98 are categorized by job goal, ethnicity, and gender in Appendix D (tan section). The five job goals for which the largest number of certificates were awarded in 1997-98 are:

patient care technician (244; 30% of all certificates awarded),
 certified nursing assistant I (186; 23%),
 practical nurse (42; 5%),
 office specialist (33; 4%), and
 job readiness skills (27; 3%).

(Patient care technician, certified nursing assistant I, and practical nurse also were in this category in 1996-97.) Together, these job goals generated 65% of the CTD certificates awarded in 1997-98.

In 1997-98 there were 11 job goals for which minority students earned at least 10 certificates:

certified nursing assistant I (118),
 patient care technician (99),
 office specialist (30),
 job readiness skills (21),

medical office specialist II (16),
office assistant I (15),
practical nurse (14),
baker's helper (11),
preparation cook (11),
keyboard operator (10), and
office assistant (10).

(Minority students earned at least 10 certificates in all of these areas, except job readiness skills, office assistant I, baker's helper, and preparation cook, in 1996-97.)

For 13 of the 15 job goals for which there were 10 or more total completers in 1997-98, minority students constituted more than 35% of the completers:

office assistant I (94%),
office specialist (91%),
accounting assistant (90%),
medical office specialist I (90%),
baker's helper (85%),
keyboard operator (83%),
preparation cook (79%),
job readiness skills (78%),
office assistant II (71%),
medical office specialist II (70%),
certified nursing assistant I (63%),
word processing applications (58%), and
patient care technician (41%).

(All of these job goals, except job readiness skills and baker's helper, were in this category in 1996-97.) There were no these job goals for which minority students accounted for less than 20% of the completers.

In 1997-98 there were 10 job goals for which women earned 10 or more certificates:

patient care technician (187),
certified nursing assistant I (144),
practical nurse (36),
office specialist (31),
medical office specialist II (23),
job readiness skills (21),
office assistant I (14),
office assistant II (12),
keyboard operator (10), and

medical office specialist I (10).
(For each of these programs, except job readiness skills, there were at least 10 completers in 1996-97 as well.)

For 12 of the 15 job goals for which there were 10 or more total completers in 1997-98, women constituted more than 65% of the completers:

- medical office specialist I (100%),
- medical office specialist II (100%),
- office assistant (94%),
- accounting assistant (90%),
- office assistant I (88%),
- office assistant II (86%),
- practical nurse (86%),
- keyboard operator (83%),
- child care assistant/teacher (80%),
- job readiness skills (78%),
- certified nursing assistant I (77%),
- patient care technician (77%), and
- wordprocessing applications (75%).

(All of these job goals, except accounting assistant, child care assistant/teacher, and job readiness skills, were in this category in 1996-97.) There were not job goals with at least 10 completers for which women accounted for less than 45% of the completers.

Percentage of Job Goals with No Completers. For 23% (14) of the 60 job goals there were no completers in 1997-98.

Appendix A
Number and Percent of 1997-98 PCC Degrees Awarded by
Degree Program, Ethnicity and Gender

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity								Gender				Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Degrees		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Accounting																		
Accounting-AAS			3	16%	1	5%	3	16%	12	63%			19	100%	19	2%	7	37%
Administration of Justice Studies																		
Administration of Justice Studies-AA									1	100%			1	100%	1	<1%		
Administration of Justice Studies-AS																		
Administration of Justice Studies-AAS					1	25%	1	25%	2	50%	3	75%	1	25%	4	<1%	2	50%
* Corrections-AAS							2	50%	2	50%			4	100%	4	<1%	2	50%
* Criminal Justice-AA									1	100%	1	100%			1	<1%		
* Criminal Justice-AAS							3	37%	5	63%	4	50%	4	50%	8	1%	3	37%
Administrative Support Careers																		
Administrative Assistant-AAS																		
Advertising Art & Computer Graphics																		
* Advertising Art-AAS									1	100%			1	100%	1	<1%		

* Program no longer offered

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender				Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		% of Total Degrees					
	N	%	N	%	N	%	N	%	N	%	N	%				
Adv. Art & Comp. Graphics Continued																
* Advertising Art & Comp. Graphics-AAS	1	50%					1	50%	1	50%	1	50%	2	<1%	1	50%
* Adv Art/Comp Graph: Computer Art-AAS					1	50%	1	50%	1	50%	1	50%	2	<1%	1	50%
* Advertising Art/Desktop Top Publishing-AAS					1	100%					1	100%	1	<1%	1	100%
* Adv Art/Comp Graph: Desk Top Publ.-AAS					1	10%	9	90%	3	30%	7	70%	10	1%	1	10%
* Advertising Art/ Illustration-AAS					1	100%					1	100%	1	<1%	1	100%
* Adv Art/Comp Graph: Illustration-AAS	1	12%					7	88%	5	63%	3	37%	8	1%	1	12%
* Adv Art/Comp Graph: Pre-Press Artist-AAS							1	100%			1	100%	1	<1%		
Air Conditioning																
* Air Conditioning Technology-AAS					1	25%	3	75%	4	100%			4	<1%	1	25%
American Indian Studies																
American Indian Studies-AA					1	100%			1	100%			1	<1%	1	100%
Anthropology																
Anthropology-AA							1	100%			1	100%	1	<1%		

* Program no longer offered

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %						
	Native American		Asian American		African American		Hispanic		Anglo/ Other			% of Total Degrees					
	N	%	N	%	N	%	N	%	N	%							
Apprentice Related Instruction																	
Trade & Industrial Technology-AAS	2	67%					1	33%	3	100%	3	<1%	2	67%			
Archaeology																	
Archaeology-AS																	
Arts																	
Applied Arts-AAA						1	50%	1	50%	1	50%	1	50%	2	<1%	1	50%
Fine Art-AA	1	12%				1	12%	6	76%	2	25%	6	75%	8	1%	2	24%
Asian Studies																	
Asian Studies-AA																	
Automotive Technology																	
Automotive Technology-AS							1	100%	1	100%		1	<1%				
Automotive Technology-AAS							3	100%	3	100%		3	<1%				
Aviation Mechanics																	
Aviation Structural Repair-AAS	1	14%					6	86%	6	86%	1	14%	7	1%		1	14%
Biology																	
Biology-AS							1	100%	1	100%		1	<1%				

* Program no longer offered

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority							
	Native American		Asian American		African American		Hispanic		Anglo/ Other				Men		Women		% of Total Degrees	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Biology Continued																		
* Pre-Agriculture-AS								2	100%			2	100%	2	<1%			
* Pre-Veterinary-AS								1	100%			1	100%	1	<1%			
Business																		
Business-AAS						3	60%	2	40%			5	100%	5	<1%	3	60%	
Business Administration-AS			2	10%	1	5%	6	30%	11	55%	5	25%	15	75%	20	2%	9	45%
* Business Administration-AAS						1	9%	10	91%	4	36%	7	64%	11	1%	1	9%	
Business Admin. - Retailing-AS																		
Communication Graphics																		
Communication Graphics-AA																		
Communication Graphics-AAS								3	100%	3	100%			3	<1%			
Computer Science																		
Computer Programmer /Analysis-AAS			1	12%	1	12%			6	76%	6	75%	2	25%	8	1%	2	24%
Computer Science-AS								2	100%	1	50%	1	50%	2	<1%			

* Program no longer offered

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %							
	Native American		Asian American		African American	Hispanic	Anglo/ Other	Men	Women	% of Total Degrees								
	N	%	N	%	N	%	N	%	N	%								
Computer Science Continued																		
Small Business Comp. Specialist-AAS	1	11%				2	22%	6	67%	6	67%	3	33%	9	1%	3	33%	
Construction																		
Construction-AS																		
Construction Drafting																		
Construction Drafting-AAS						3	60%	2	40%	4	80%	1	20%	5	<1%	3	60%	
Construction Technology																		
Residential and Light Commercial-AAS							2	100%	2	100%				2	<1%			
Court Support Services																		
Court Support Services-AAS			1	14%		5	72%	1	14%	1	14%	6	86%	7	1%	6	86%	
Dental Hygiene																		
Dental Hygiene-AAS						4	21%	15	79%	1	5%	18	95%	19	2%	4	21%	
Dental Laboratory Technology																		
Dental Laboratory Technology-AAS	1	10%	1	10%	1	10%	2	20%	5	50%	3	30%	7	70%	10	1%	5	50%

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity								Gender				Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women				% of Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Design																		
Design-AAA					1	20%	4	80%	1	20%	4	80%	5	<1%			1	20%
* Interior Design-AAA					3	50%	3	50%			6	100%	6	1%			3	50%
Drafting Technology																		
Drafting, Electro-Mech. or Mechancial-AAS							4	100%	3	75%	1	25%	4	<1%				
* Drafting, Mechancial-AAS				1	16%	1	16%	4	68%	6	100%		6	1%			2	32%
Early Childhood Education																		
Teacher-Director-AAS	1	6%	1	6%		4	23%	11	65%		17	100%	17	2%			6	35%
Education																		
* Education-AA					4	44%	5	56%	2	22%	7	78%	9	1%			4	44%
Electronics Technology																		
* Electronics Technology-AAS							8	100%	6	75%	2	25%	8	1%				
* Microcomputer Technician-AAS				1	17%	1	17%	4	66%	6	100%		6	1%			2	34%

* Program no longer offered

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %							
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men		Women		% of Total Degrees		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Emergency Medical Technology																		
Paramedic-AAS					1	17%	5	83%	4	67%	2	33%	6	1%	1	17%		
Engineering																		
Engineering-AS					1	14%	6	86%	7	100%			7	1%	1	14%		
Environmental Technology																		
Environmental Technology-AS																		
Environmental Technology-AAS			1	8%	1	8%	1	8%	10	76%	11	85%	2	15%	13	1%	3	24%
Facilities Technology																		
Facilities Technology-AAS																		
Finance																		
Banking-AAS							2	100%			2	100%	2	<1%				
Credit Union-AAS					1	33%		2	67%			3	100%	3	<1%	1	33%	
Fire Science																		
Fire Science-AAS					2	33%	4	67%	6	100%			6	1%	2	33%		

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %							
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men	Women	% of Total Degrees				
	N	%	N	%	N	%	N	%	N	%								
Fitness and Sport Science																		
Fitness and Sport Science-AA																		
Fitness/Wellness Technician-AS							1	100%		1	100%	1	<1%					
Foods, Clothing, Family Consumer Resources																		
* Fashion Design-AAS						2	100%			2	100%	2	<1%	2	100%			
General Studies																		
General Studies-AGS	7	2%	10	3%	26	8%	78	23%	219	64%	118	35%	222	65%	340	33%	121	36%
Graphic and Image Technology (Offset Printing)																		
Graphic & Image Tech. (Offset Printing)-AAS																		
Pre-Press Artist-AAS																		
Hospitality/ Tourism																		
Culinary Arts-AAS								1	100%			1	100%	1	<1%			
Hospitality-AA								2	100%			2	100%	2	<1%			

* Program no longer offered

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity								Gender				Total		Total Minority N %		
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Degrees	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%			
Hospitality/ Tourism Cont.																	
Hospitality Management-AAS								1	100%			1	100%	1	<1%		
* Hotel-Motel Management-AAS						1	50%	1	50%			2	100%	2	<1%	1 50%	
* Restaurant, Culinary & Food Management-AAS								2	100%			2	100%	2	<1%		
Tourism & Destination Development-AAS	1	12%	1	12%				6	76%			8	100%	8	1%	2 24%	
Interdisciplinary Sciences																	
Interdisciplinary Sciences-AS																	
Pre-Optical Sciences-AS																	
International Business Studies																	
* International Bus. Communications-AAS								1	100%	1	100%			1	<1%		
International Business Studies-AAS			1	20%	1	20%	3	60%			2	40%	3	60%	5	<1%	5 100%
Interpreter Training Program																	
Interpreter Training Program-AAA								6	100%			6	100%	6	1%		

* Program no longer offered

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender				Total		Total Minority N %					
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men			Women		% of Total Degrees		
	N	%	N	%	N	%	N	%	N	%	N	%		N	%			
Landscape Technician																		
Landscape Technician-AAS							1	100%			1	100%	1	<1%				
Law Enforcement Program																		
Law Enforcement-AAS																		
Legal Assistant (Paralegal)																		
* Legal Assistant-AAS				3	7%	9	21%	31	72%	7	16%	36	84%	43	4%	12	28%	
Legal Assistant (Paralegal)-AAS	1	33%						2	67%			3	100%	3	<1%	1	33%	
Liberal Arts and Sciences																		
* Liberal Arts-AA						1	17%	5	83%	3	50%	3	50%	6	1%	1	17%	
* Liberal Arts and Sciences-AA			1	2%	2	5%	16	36%	25	57%	15	34%	29	66%	44	4%	19	43%
Art History-AA																		
Astronomy-AA																		
Atmospheric Sciences-AA																		

* Program no longer offered

Appendix A.

**Number and Percent of 1997-98 PCC Degrees Awarded by Degree
Program, Ethnicity, and Gender**

Program	Ethnicity										Gender				Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		% of Total Degrees			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Liberal Arts and Sciences Continued																		
Biochemistry-AA																		
Biology-AA																		
Chemistry-AA																		
Classics-AA																		
Creative Writing-AA																		
Greek-AA																		
East Asian Studies-AA																		
Ecology and Evolutionary Bio.-AA																		
Economics (Arts and Sciences)-AA																		
Elementary Education-AA																		
English-AA																		
French-AA																		
Geography-AA																		

Appendix A.

Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender				Total	Total Minority N %		
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men Women		% of Total Degrees	
	N	%	N	%	N	%	N	%	N	%	N		%	
Liberal Arts and Sciences Continued														
Geosciences (Geology)-AA														
German-AA														
History-AA														
Interdisciplinary Studies-AA														
Italian-AA														
Media Communications - Print Media-AA														
Judaic Studies-AA														
Latin-AA														
Latin-American Studies-AA														
Linguistics-AA														
Mathematics-AA														
Media Communications- Telecomm.-AA														
Mexican-American Studies-AA														

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree
Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total	Total Minority N %				
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men	Women	% of Total Degrees	
	N	%	N	%	N	%	N	%	N		%	N	%	N
Liberal Arts and Sciences Continued														
Microbiology-AA														
Molecular/Cellular Biology-AA														
Music-AA														
Near Eastern Studies-AA														
Philosophy-AA														
Physics-AA														
Portuguese-AA														
Psychology-AA														
Regional Development-AA														
Religious Studies-AA														
Russian-AA														
Russian and Soviet Studies-AA														
Secondary Education-AA														

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree
Program, Ethnicity, and Gender**

Program	Ethnicity					Gender		Total	Total Minority N %		
	Native American		Asian American		African American	Hispanic	Anglo/ Other	Men		Women	% of Total Degrees
	N	%	N	%	N	%	N	%		N	%
Liberal Arts and Sciences Continued											
Spanish-AA											
Special Education and Rehabilitation-AA											
Speech and Hearing Sciences-AA											
Theater Arts-AA											
Women's Studies-AA											
U/A Option-AA											
ASU/NAU Option-AA											
Machine Tool Technology											
Machine Tool Technology-AAS						1 100%	1 100%		1 <1%		
Manufacturing Technology-AS											
Mathematics											
Mathematics-AS	1 100%						1 100%		1 <1%	1 100%	

* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree
Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority									
	Native American		Asian American		African American		Hispanic		Anglo/ Other				Men		Women		% of Total			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Media Communications																				
Print Media-AAS																				
Tele-communications-AAS					2	18%	4	36%	5	46%	6	54%	5	46%	11	1%			6	54%
Music																				
Music-AA					1	33%	2	67%					3	100%	3	<1%			1	33%
Nursing																				
Associate Degree Nursing-AAS	1	1%	9	6%	2	1%	29	21%	98	71%	23	17%	116	83%	139	13%			41	29%
Office Education																				
Administrative Assistant-AAS					3	60%	2	40%					5	100%	5	<1%			3	60%
Secretary, Bilingual-AAS					1	100%							1	100%	1	<1%			1	100%
Secretary, Executive-AAS					2	100%							2	100%	2	<1%			2	100%
Secretary, General-AAS					1	100%							1	100%	1	<1%			1	100%
Secretary, Legal-AAS					1	33%	2	67%					3	100%	3	<1%			1	33%
Secretary, Medical-AAS					1	33%	2	67%					3	100%	3	<1%			1	33%

* Program no longer offered

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender				Total		Total Minority N %				
	Native American		Asian American		African American		Hispanic		Anglo/ Other		% of Total Degrees						
	N	%	N	%	N	%	N	%	N	%	N	%					
Ophthalmic Dispensing																	
Ophthalmic Dispensing-AAS							1	100%	1	100%			1	<1%			
Pharmacy Technology																	
Pharmacy Technology-AAS	1	25%	1	25%				2	50%	1	25%	3	75%	4	<1%	2	50%
Political Science																	
Political Science-AA						1	100%			1	100%			1	<1%	1	1
Public Administration																	
Public Administration-AS						1	50%	1	50%			2	100%	2	<1%	1	50%
Radiologic Technology																	
Radiologic Technology-AAS						4	21%	15	79%	8	42%	11	58%	19	2%	4	21%
Real Estate																	
Real Estate Sales/Brokerage-AAS						1	100%			1	100%			1	<1%	1	100%
Records Management																	
Records Management, Business Admin.-AAS								1	100%	1	100%			1	<1%		

* Program no longer offered

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender				Total		Total Minority N %					
	Native American		Asian American		African American		Hispanic		Anglo/ Other		% of Total Degrees							
	N	%	N	%	N	%	N	%	N	%	N	%						
Records Mgmt. Continued																		
Records Management, Medical-AAS							3	100%			3	100%	3	<1%				
Respiratory Therapist Program																		
Respiratory Care-AAS	1	5%					5	27%	13	68%	6	32%	13	68%	19	2%	6	32%
Social Services																		
Gerontology Specialty-AA																		
Gerontology Specialty-AAS							1	33%	2	67%			3	100%	3	<1%	1	33%
Social Services-AA					1	20%	1	20%	3	60%	1	20%	4	80%	5	<1%	2	40%
Social Services-AAS	1	4%	1	4%	5	21%	6	25%	11	46%	3	12%	21	88%	24	2%	13	54%
Substance Abuse Specialty-AA									1	100%	1	100%			1	<1%		
Substance Abuse Specialty-AAS	2	40%							3	60%			5	100%	5	<1%	2	40%
Youth Services Specialty-AA																		
Youth Services-AAS							1	100%					1	100%	1	<1%	1	100%
Sociology																		
Sociology-AA							1	50%	1	50%			2	100%	2	<1%	1	50%

Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %							
	Native American		Asian American		African American		Hispanic		Anglo/ Other			% of Total Degrees						
	N	%	N	%	N	%	N	%	N	%								
Speech Communication																		
Speech Communication-AA							1	100%		1	100%	1	<1%					
Technology																		
Electronics Technology-AAS																		
Electronics Tele- communications-AAS																		
Microcomputer Technology-AAS																		
Semiconductor Manufacturing-AAS							2	40%	3	60%	3	60%	2	40%	5	<1%	2	40%
Systems Networking Technology-AAS																		
Theater																		
Drama-AA				1	50%				1	50%	1	50%	1	50%	2	<1%	1	50%
Theater-AA																		
Welding																		
Welding-AAS						1	100%			1	100%			1	<1%		1	100%
Total																		
	25	3%	35	3%	51	5%	240	23%	684	66%	334	32%	701	68%	1035	100%	351	34%

* Program not offered

Appendix B
Number and Percent of 1997-98 PCC Technical and Advanced
Certificates Awarded by Program,
Ethnicity and Gender

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority N %					
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men	Women	% of Total Tech./ Adv. Cert.		
	N	%	N	%	N	%	N	%	N	%						
Accounting																
Accounting-AC					3	37%	5	63%			8	100%	8	4%	3	37%
Administrative Support Careers																
Administrative Specialist-AC																
Air Conditioning																
Air Conditioning, Heating, Ventilation-TC					1	100%			1	100%			1	1%	1	100%
Archaeology																
Archaeological Fieldwork-AC																
Computer Archaeology and Cartography-TC							1	100%	1	100%			1	1%		
Automotive Technology																
Automotive Mechanics-TC			3	60%			2	40%	5	100%			5	3%	3	60%
Aviation Mechanics																
Airframe/Power -plant Mechanics-TC																
Aviation Structural Repair-TC	1	11%			1	11%	7	78%	7	78%	2	22%	9	5%	2	22%

* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total	Total Minority N %		
	Native American		Asian American		African American	Hispanic	Anglo/ Other	Men	Women		% of Total Tech./ Adv. Cert.	
	N	%	N	%	N	%	N	%	N		%	N
Business												
Business-AC						2 50%	2 50%			4 100%	4 2%	2 50%
Business Administration-AC						1 50%	1 50%			2 100%	2 1%	1 50%
Communication Graphics												
Communication Graphics-AC												
Computer Science												
Data Entry Operator-AC			1 25%			2 50%	1 25%	1 25%	3 75%	4 2%		3 75%
Construction Drafting												
Construction Drafting-TC							3 100%	2 67%	1 33%	3 2%		
Construction Technology												
Pre-Architecture-TC							1 100%	1 100%		1 1%		
Residential & Light Commercial-AC							1 100%	1 100%		1 1%		
Court Support Services												
Court Support Services-AC			1 25%			1 25%	2 50%	2 50%	2 50%	4 2%		2 50%

* Program no longer offered

Appendix B.
**Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender				Total		Total Minority N %					
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men			Women		% of Total Tech./ Adv. Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%						
Dental Assisting Education																		
Dental Assisting Education-AC	1	4%	1	4%			9	38%	13	54%	2	8%	22	92%	24	13%	11	46%
Drafting Technology																		
Drafting, Electro- Mechanical Mech.-TC									6	100%	4	67%	2	33%	6	3%		
Early Childhood Education																		
Teacher Aide/Assistant-AC							4	36%	7	64%			11	100%	11	6%	4	36%
Electronics Technology																		
Microcomputer Technician-AC									2	100%	2	100%			2	1%		
Emergency Medical Technology																		
Emergency Medical Technology-TC																		
Paramedic-AC																		
Environmental Technology																		
Environmental Lab. Analysis-AC									2	100%	2	100%			2	1%		

* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total	Total Minority N %								
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men	Women	% of Total Tech./ Adv. Cert.					
	N	%	N	%	N	%	N	%	N					%				
Environmental Technology Cont.																		
Hazardous Material Management-AC			1	12%			1	12%	6	76%	5	63%	3	37%	8	4%	2	24%
Water and Wastewater Technology-AC	1	20%			1	20%			3	60%	4	80%	1	20%	5	3%	2	40%
Wastewater Technology-AC					1	16%	1	16%	4	68%	6	100%			6	3%	2	32%
Water Technology-AC					1	12%	1	12%	6	76%	8	100%			8	4%	2	24%
Facilities Technology																		
Facilities Technology-TC																		
Finance																		
Credit Union-AC					2	29%	5	71%			7	100%			7	4%	2	29%
Foods, Clothing, Family Consumer Resources																		
Alteration Specialist-AC					1	50%	1	50%			2	100%			2	1%	1	50%
Graphic & Image Technology (Offset Printing)																		
Graphic & Image Tech. (Offset Printing)-AC																		

* Program no longer offered

Appendix B.
**Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority N %						
	Native American		Asian American		African American		Hispanic		Anglo/ Other			% of Total Tech./ Adv. Cert.					
	N	%	N	%	N	%	N	%	N	%							
Graphic & Image Tech (Offset Printing) Cont																	
Graphic Technology, (Offset Printing)-AC							1	100%		1	100%	1	1%				
Hospitality/ Tourism																	
Meetings and Convention Mgmt.-AC							1	100%		1	100%	1	1%				
Travel Industry Operations-AC	1	11%	1	11%		3	33%	4	45%	1	11%	8	89%	9	5%	5	55%
Landscape Technician																	
Landscape Technician-AC																	
Machine Tool Technology																	
Computer Numerical Control Machinist-TC							1	100%	1	100%		1	1%				
Conventional Machinist-TC																	
Media Communication																	
Telecommunications- AC					1	100%				1	100%	1	1%		1	100%	

* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total	Total Minority								
	Native American		Asian American		African American		Hispanic		Anglo/ Other		% of Total Tech./ Adv. Cert.							
	N	%	N	%	N	%	N	%	N			%						
Microcomputer Repair																		
Microcomputer Repair-TC					2	20%	1	10%	7	70%	10	5%	3	30%				
Nursing																		
Practical Nursing-AC	1	4%			2	8%	5	21%	16	67%	5	21%	19	79%	24	13%	8	33%
Office Education																		
Clerk-Typist-AC									2	100%			2	100%	2	1%		
Receptionist-AC									1	100%			1	100%	1	1%		
Pharmacy Technology																		
Pharmacy Technology-TC			1	8%			5	38%	7	54%	2	15%	11	85%	13	7%	6	46%
Records Management																		
Records Management, Business Admin.-AC																		
Records Management, Medical-AC									1	100%	1	100%			1	1%		
Technology																		
Microcomputer Technology-AC									1	100%	1	100%			1	1%		
Technology-AC																		

* Program no longer offered

Appendix B.

**Number and Percent of 1997-98 PCC Technical and Advanced Certificates
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women				% of Total Tech./ Adv. Cert.	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Translation Studies																		
Translation Studies-AC																		
Welding																		
Welding-TC								2	100%	2	100%			2	1%			
Total	5	3%	9	5%	7	4%	45	23%	125	65%	77	40%	114	60%	191	100%	66	35%

Appendix C
Number and Percent of 1997-98 PCC Basic Certificates
Awarded by Program, Ethnicity and Gender

Appendix C.

**Number and Percent of 1997-98 PCC Basic Certificates Awarded
by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women				% of Total Basic Cert.	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Administrative Support Careers																		
Administrative Aide						3	100%				3	1%		3	100%	3	100%	
Advertising Art & Computer Graphics																		
Advertising Art & Computer Graphics							1	100%				1	100%		1	<1%		
Air Conditioning																		
Air Conditioning						1	100%			1	100%				1	<1%	1	100%
Archaeology																		
Field Archaeology							2	100%			2	100%		2	1%			
Automotive Technology																		
Automotive, Engine Repair & Overhaul			1	50%		1	50%			1	50%	1	50%		2	1%	2	100%
Power Transmission							1	100%		1	100%				1	<1%		
Tune-up/ Air Conditioning			1	33%		1	33%	1	33%		3	100%			3	1%	2	67%
Suspension and Brakes			1	100%							1	100%			1	<1%	1	100%

* Program no longer offered

Appendix C.

Number and Percent of 1997-98 PCC Basic Certificates Awarded by Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			% of Total Basic Cert.
	N	%	N	%	N	%	N	%	N	%		
Aviation Technology												
Airframe Mechanics												
Business												
Bilingual Business Administration												
Business				1 9%	4 36%	6 55%	2 18%	9 82%	11 3%	5 45%		
Business Administration					3 37%	5 63%	1 12%	7 88%	8 2%	3 37%		
Computer Science												
Data Entry Clerk					3 100%			3 100%	3 1%	3 100%		
Data Entry Operator					1 100%			1 100%	1 <1%	1 100%		
Construction Drafting												
Construction Drafting					2 40%	3 60%	4 80%	1 20%	5 1%	2 40%		
Early Childhood Education												
School Age Child Care						1 100%	1 100%		1 <1%			

* Program no longer offered

Appendix C.

**Number and Percent of 1997-98 PCC Basic Certificates Awarded
by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority				
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women				% of Total Basic Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%			
Electronics Technology																			
* Microcomputer Technician									1	100%	1	100%			1	<1%			
Emergency Medical Technology																			
Emergency Medical Technology	3	2%	3	2%				33	19%	134	77%	115	66%	58	34%	173	51%	39	23%
Facilities Technology																			
Facilities Technology								1	33%	2	67%	3	100%			3	1%	1	33%
Finance																			
Credit Union										3	100%			3	100%	3	1%		
Graphic & Image Technology (Offset Printing)																			
Graphic and Image Technology (Offset)																			
* Graphic Technology (Offset Printing)										1	100%	1	100%			1	<1%		
Hospitality/ Tourism																			
* Hospitality Sales and Marketing										1	100%			1	100%	1	<1%		

* Program no longer offered

Appendix C.

**Number and Percent of 1997-98 PCC Basic Certificates Awarded
by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Basic Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Hospitality/ Tourism Cont																		
* Hotel Operations						1	100%					1	100%	1	<1%	1	100%	
* Meeting & Convention Management								1	100%			1	100%	1	<1%			
International Business Studies																		
* International Business Studies						1	100%					1	100%	1	<1%	1	100%	
Interpreter Training Program																		
Sign Language							3	100%				3	100%	3	1%			
Law Enforcement Program																		
Law Enforcement	1	2%			2	3%	15	25%	41	70%	50	85%	9	15%	59	17%	18	30%
Law Enforcement Career																		
Law Enforcement Supervision																		
Machine Tool Technology																		
* Machine Shop Fundamentals							1	100%			1	100%		1	<1%			

* Program no longer offered

Appendix C.

Number and Percent of 1997-98 PCC Basic Certificates Awarded
by Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority							
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men	Women	% of Total Basic Cert.				
	N	%	N	%	N	%	N	%	N	%								
Microcomputer Repair																		
Microcomputer Repair	1	7%					3	20%	11	73%	15	100%			15	4%	4	27%
Nursing																		
Nursing Assistant							2	22%	7	78%	1	11%	8	89%	9	3%	2	22%
Pharmacy Technology																		
Pharmacy Technology									1	100%			1	100%	1	<1%		
Real Estate																		
Real Estate Sales/Brokerage																		
Reserve Officer Training (ROTC)																		
Air Force ROTC																		
Army ROTC																		
Navy ROTC																		
Social Services																		
Domestic Violence Intervention	1	10%					3	30%	6	60%			10	100%	10	3%	4	40%
Eating Disorders																		

* Program no longer offered

Appendix C.

**Number and Percent of 1997-98 PCC Basic Certificates Awarded
by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority N %							
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men	Women	% of Total Basic Cert.				
	N	%	N	%	N	%	N	%	N	%								
Social Services Continued																		
Family Support Services																		
Social Service	1	9%				4	36%	6	55%	3	27%	8	73%	11	3%	5	45%	
Substance Abuse								3	100%			3	100%	3	1%			
Teleservices																		
Teleservices																		
Total	7	2%	6	2%	3	1%	82	24%	242	71%	205	60%	135	40%	340	100%	98	29%

Appendix D
Number and Percent of 1997-98 PCC Certificates of Completion
Awarded by Job Goal, Ethnicity, and Gender

Appendix D.

**Number and Percent of 1997-98 PCC Certificates of Completion
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity						Gender		Total		Total Minority N %						
	Native American		Asian American		African American		Hispanic		Anglo/ Other			% of Total Cert.					
	N	%	N	%	N	%	N	%	N	%							
Business and Office Cluster																	
Accounting Assistant	2	20%				7	70%	1	10%	1	10%	9	90%	10	1%	9	90%
Basic Teleservices						3	100%					3	100%	3	<1%	3	100%
Coding Specialist (Medical)																	
Computer Software Applications								6	100%	1	17%	5	83%	6	1%		
Customer Service Representative I						1	25%	3	75%			4	100%	4	<1%	1	25%
Customer Service Representative II																	
Data Base Applications						2	40%	3	60%	2	40%	3	60%	5	100%	2	40%
Data Entry Operator	1	100%										1	100%	1	<1%	1	100%
File Clerk																	
Introduction to Sales								2	100%			2	100%	2	<1%		
Keyboard Operator	2	17%				8	66%	2	17%	2	17%	10	83%	12	1%	10	83%
Medical Office Specialist I	1	10%				8	80%	1	10%			10	100%	10	1%	9	90%
Medical Office Specialist II	2	9%				14	61%	7	30%			23	100%	23	3%	16	70%

Appendix D.

Number and Percent of 1997-98 PCC Certificates of Completion
by Job Goal, Ethnicity, and Gender

Job Goal	Ethnicity								Gender				Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Business and Office Continued																		
Medical Transcriptionist							1	20%	4	80%			5	100%	5	1%	1	20%
Microsoft Powerpoint for Windows							2	29%	5	71%			7	100%	7	1%	2	29%
Microsoft Word for Windows																		
Office Assistant I	4	25%			2	13%	9	56%	1	6%	2	12%	14	88%	16	2%	15	94%
Office Assistant II					1	7%	9	64%	4	90%	2	14%	12	86%	14	2%	10	71%
Office Specialist	3	9%			1	3%	26	79%	3	9%	2	6%	31	94%	33	4%	30	91%
Receptionist	1	50%					1	50%					2	100%	2	<1%	2	100%
Professional Sales Representative									1	100%			1	100%	1	<1%		
Spreadsheet Applications					1	14%	3	43%	3	30%	3	43%	4	57%	7	1%	4	57%
Word Processing Applications	3	25%			1	8%	3	25%	5	43%	3	25%	9	75%	12	1%	7	58%
Total Business and Office Cluster	19	11%	0	0%	6	4%	97	56%	51	29%	18	10%	155	90%	173	22%	122	71%
Child Care Cluster																		
Child Care Assistant/ Teacher							3	30%	7	70%	2	20%	8	80%	10	1%	3	30%

Appendix D.

**Number and Percent of 1997-98 PCC Certificates of Completion
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity										Gender				Total		Total Minority N %	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		% of Total Cert.			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Total Child Care Cluster	0	0	0	0	0	0	3	30%	7	70%	2	20%	8	80%	10	1%	3	30%
Employment Success Skills Cluster																		
Employability Skills							2	40%	3	60%	1	20%	4	80%	5	1%	2	40%
Job Readiness Skills	1	4%					20	74%	6	22%	6	22%	21	78%	27	3%	21	78%
Total Employment Success Skills Cluster	1	3%	0	0%	0	0%	22	69%	9	28%	7	22%	25	78%	32	4%	23	72%
Food Service Cluster																		
Baker's Helper	6	46%					5	38%	2	12%	5	38%	8	62%	13	2%	11	85%
Bus Person																		
Cook's Helper	1	25%					3	75%			2	50%	2	50%	4	<1%	4	100%
Introduction to the Restaurant Industry							4	100%					4	100%	4	<1%	4	100%
Kitchen Helper	2	29%					5	71%			1	14%	6	86%	7	7%	7	100%
Pantry Worker																		

Appendix D.

Number and Percent of 1997-98 PCC Certificates of Completion by Job Goal, Ethnicity, and Gender

Job Goal	Ethnicity						Gender		Total		Total Minority							
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men		Women		% of Total Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N		%	
Food Service Continued																		
Preparation Cook	6	43%					5	36%	3	21%	7	50%	7	50%	14	2%	11	79%
Total Food Service Cluster	15	36%	0	0%	0	0%	22	52%	5	12%	15	36%	27	64%	42	5%	37	88%
Health Occupations Cluster																		
Certified Nursing Assistant I	5	3%	1	1%	16	9%	96	52%	68	37%	42	23%	144	77%	186	23%	118	63%
Certified Nursing Assistant II							4	100%			1	25%	3	75%	4	<1%	4	100%
Gastric Intubation																		
Home Health Aide	5	83%					1	17%					6	100%	6	1%	6	100%
Initiating Intravenous Therapy for LPN																		
Injection Technician																		
Patient Care Technician	8	3%	7	3%	11	5%	73	30%	145	59%	57	23%	187	77%	244	30%	99	41%
Practical Nurse			1	2%	2	5%	11	26%	28	67%	6	14%	36	86%	42	5%	14	33%
Psychiatric Aide	1	14%					2	29%	4	57%	2	29%	5	71%	7	1%	3	43%
Refresher Courses for Practical Nurse							1	100%					1	100%	1	<1%	1	100%

Appendix D.

**Number and Percent of 1997-98 PCC Certificates of Completion
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity								Gender				Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Health Occupations Cont.																		
Surgical Technician						4	80%	1	20%	3	60%	2	40%	5	1%	4	80%	
Venipuncture	1	12%				1	12%	6	76%	1	12%	7	88%	8	1%	2	24%	
Total Health Occupations Cluster	20	4%	9	2%	29	6%	193	38%	252	50%	112	22%	391	78%	503	63%	251	50%
Printing Cluster																		
Bindery Worker						2	40%	3	60%	5	100%			5	1%	2	40%	
Entry-Level Offset Duplicating Mach. Oper.						2	40%	3	60%	5	100%			5	1%	2	40%	
Pre-Press Technician						2	40%	3	60%	5	100%			5	1%	2	40%	
Total Printing Cluster	0	0%	0	0%	0	0%	6	40%	9	60%	15	100%	0	0%	15	2%	6	40%
Workplace Basic Skills																		
ESL, Reading Level A						2	100%			2	100%			2	<1%	2	100%	
ESL, Reading Level B						4	100%			3	75%	1	25%	4	<1%	4	100%	
ESL, Reading Level C						3	100%			2	67%	1	33%	3	<1%	3	100%	

Appendix D.

**Number and Percent of 1997-98 PCC Certificates of Completion
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity								Gender				Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Workplace Basic Skills Continued																
ESL, Reading Level D					5	100%			5	100%			5	1%	5	100%
ESL, Listening Level A					2	100%			1	50%	1	50%	2	<1%	2	100%
ESL, Listening Level B					4	100%			4	100%			4	<1%	4	100%
ESL, Listening Level C					8	100%			7	88%	1	12%	8	1%	8	100%
ESL, Listening Level D																
Workplace, Reading Level A																
Workplace, Reading Level B																
Workplace, Reading Level C																
Workplace, Reading Level D																
Total Workplace Basic Skills Cluster	0	0%	0	0%	0	0%	28	100%	0	0%	24	86%	4	14%	28	100%
Total	55	7%	9	1%	35	5%	371	46%	333	41%	193	24%	610	76%	803	100%